



September 12, 2019

To: Frances Mizuno, Assistant Executive Director

From: Bob Martin, Engineering & Planning Department Manager

Subject: O&M Report for August, 2019

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) pumped at five units the majority of the month of August with an average flow rate of 4,103 cfs. Pumping was decreased to three units from August 9th to 14th due to water quality at the Jersey Point salinity station.

Total pumping at the JPP for the month of August was 252,276 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 53,260 acre-feet and generated 1,890 acre-feet. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 12,938 acre-feet during full pumping at the JPP to help manage water levels due to subsidence related flow restrictions in several areas of the upper DMC.

The Federal share in San Luis Reservoir on August 31st was 485,072 acre-feet as compared to 329,579 acre-feet on August 31st, 2018.

Releases from Friant Dam for the month of August ranged from 381 to 420 cfs and flows entering the Mendota Pool ranged from 95 to 147 cfs. Flows of 100 to 145 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of August, Canal Operations staff members performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, well soundings, and meter maintenance.

Control Operations staff performed the following switching/clearance placements for the month of August:

- Jones Unit 2; unit rewind
- Jones Unit 4; exciter brush replacement
- 13.8 kV feeder to Tracy Fish Collection Facility (TFCF); replace blown fuse
- DCI Unit 6; replace blown fuses
- Stoplog to Grasslands WD Mosquito Ditch; replace radial gate

Civil Maintenance Department

The Civil Maintenance crews worked on the following projects for the month of August:

- Fabricate trashrack for turnout at DMC milepost 74.35-L
- Assist with O'Neill Unit 4 tear-down and hauled components to Tracy for rehabilitation
- Assist crane contractor with test weight transportation
- Assist with domestic water line repair to WAPA facilities
- DMC operating road rehabilitation: Grinding and pulverizing of road surface and chip-seal from Nees Avenue to Washoe Avenue and an approximate half-mile section upstream of Fairfax Avenue. Contractor also chip-sealed approximately 23 miles of DMC operating road from Rogers Road (Patterson area) to Cottonwood Road (Gustine area)
- Remove existing dock at the TFCF and assemble new dock for USBR
- Install new 10-foot radial gate at Volta Holding Reservoir for Grasslands WD Mosquito Ditch
- Excavate erosion around DMC drain inlet at milepost 107.78-R
- Chemical and mechanical weed control
- Grading of San Luis Drain (SLD) operating roads
- Continued fabricating and installing guardrails on top of DMC meter wells per Cal-OSHA requirements
- Continued installing stairs to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, and gates
- Rodent control on DMC and Wasteways

Plant Maintenance Department

Electrical/C&I/SCADA Staff:

- Completed Jones Unit 5 annual maintenance
- Continued with lower DMC Programmable Logic Controller (PLC) upgrade replacement
- Tracy 13.8kV switchgear relay testing and setting verifications
- Continued with infrared inspections
- Replaced faulty micro-switch on Tracy Water Treatment Plant pre-filter
- Schweitzer (SEL) RTAC training (C&I's)
- Replaced exciter brushes on Jones Unit 4
- Installed arc-flash warning labels on various electrical panels
- Replaced fuses on 13.8kV feeder to TFCF
- Replaced DCI Unit 6 fuses and uninterruptable power supply (UPS) battery modules

Mechanical Staff:

- O'Neill Unit 4 main unit and penstock rehabilitation: Unit disassembled and siphon breaker removed, coating contractor has mobilized on-site, continued to fabricate shaft coupling bolts and other components, suction elbow drain valve removed and replaced with new valve, clean and inspect impeller, rotor, and stator, and performed annual maintenance on electrical equipment.
- Jones Unit 2 rewind: Completed pre-teardown alignment checks, motor coolers, thrust bridge and rotor removed. Contractor, National Electric Coil (NEC), scheduled to begin rewind activities on October 14th, but could possibly start sooner.
- Assist crane contractor with JPP 80-ton hook tests
- Blasted and coated new 10-foot radial gate for Grasslands WD Mosquito Ditch

Engineering and Planning Department

The Engineering & Planning Department staff worked on the following projects this month: Rehabilitate OPP Unit 4 penstock and pump assembly projects, DMC O&M road repair project, DMC O&M road chipseal project, JPP Unit 2 rewind project, Tracy Administration and Civil Maintenance building flooring replacement, SLDMWA drawing management plan development, DMC subsidence mitigation project, replacement of the 10' radial gate on the Volta Wasteway, SLDMWA maintenance labor analysis, OPP main transformer bushing replacement, and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

FY21/22 RO&M budget preparation activities began this month.

Land Management Activity Summary:

No access permits were issued this past month.

Reviewed and provided comments for request from Santa Nella Water District to install three lines under the DMC through directional drilling.

HR Department

General Administrative Activities:

- Recruitment:
 - Arrange interviews for COO Position with selected candidates
 - Skills testing and interviewing for Heavy Equipment Operator with selected candidates.
- Employee Retirement
- Employee handbook rollout: in progress
- On-going Sexual Harassment Training scheduling for all staff
- Salary Survey requests
- Working with JPIA for:
 - Surplus Vehicle Sales
 - Completion of vehicle repairs
 - Preparation for Benefits Open Enrollment

Government Reporting:

- Continuing to coordinate with consultant on finalizing GreatPlains (GP) software reporting mechanisms to move these reports from an Access database to the GP HR module.
 - EEO-1
 - Affirmative Action
 - Vets 4212

Ongoing:

- FMLA notices/follow ups
- COBRA notices/follow ups
- Monthly Safety Scratcher distribution
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for 2019 calendar year
- Wellness program

Safety Department

No safety investigations, rewriting IIPP and Safety Policy Handbook, ARB work for temporary pumps, took delivery of new Bobcat, held vehicle disposal auction, JHA's, attended DWR safety committee meeting, support road repair, JPP control and excitation project, new Cal/OSHA wildfire smoke training.

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

DMC O&M Road Maintenance Program – Phase 8 & 9 (MP 39.21 to 62.09) (1900478)

Status: Talley Oil completed chip sealing from Nees to Washoe, then mobilized to Cottonwood and began chipping upstream towards Rogers Rd. Project is scheduled to be completed by 9/4.

DMC O&M Road Repair – (MP 102.04 to 110.85) (1900469)

Status: Project completed this month. Pavement Recycling completed the road repair per specifications.

DMC Subsidence Mitigation

Status: The USBR provided a briefing on status of the appraisal level assessment activities. Their preliminary cost estimate is complete and they will perform a more detailed cost estimate after the LIDAR Survey and HEC-RAS model has been completed.

C.W. "BILL" JONES PUMPING PLANT (JPP)

JPP Excitation Cabinet & Control Panel Refurbishment (1800333) FY2018 Project

Status: No activity this month. Reclamation provided has provided the draft final report for the Value Engineering Study that was performed in June, 2019.

JPP Unit No. 2 Rewind

Status: The JPP Unit No. 2 Rewind contract has been awarded to National Electric Coil (NEC). The clearance for the Unit No. 2 rewind project was issued on August 12th, 2019. JPP Mechanics gathered pre-teardown data (shaft plumbness and centerline position data) and installed reference monuments. NEC subcontractor, Survice Metrology, was on site on August 22-24 performing laser measurements for shaft plumbness/centerline and installed their monuments for future measurements. The crew is on schedule for complete disassembly of the unit by October 14th, 2019. The contractor is manufacturing and testing trial coils. Shop inspection for punching of the laminations is scheduled for September 30th to October 4th, 2019. NEC will mobilize on-site in early October, 2019.

JPP/OPP/DCI Fire Protection Systems Assessment

Status: No activity this month.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Design New Access Opening near Pump Bowl (1800332) FY2018 Project

Status: Two sources of welding qualifications have been located. This would allow the Water Authority to perform the work in house and save considerable funds.

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: Thrust bearing springs were inspected and found to be in good condition. The sandblasting and painting contractor for the disassembled stacking pieces mobilized on site and will sandblast and paint on-site at OPP. Dresser coupling rubber gaskets RFQ was sent out for bid. Visited UNICO shop in Benicia, CA for top enclosing tube inspection. The enclosing tube failed initial shop inspection on August 5th, 2019 and contractor was instructed to correct the issue. The enclosing tube passed second inspection on September 4th, 2019. The enclosing tube is ready for sand blasting and painting. The RFQ for sandblasting and

EXTRAORDINARY O&M & CAPITAL PROJECTS

painting will be provided to bidders in early September. The RFQ for shaft straightness inspection will be sent out in mid-September. The stainless steel cladding on the pump bowl is damaged and options to repairs are being evaluated.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: Received and approved submittals from F.D. Thomas. Met onsite to discuss work plan, and scheduled contractor HECF training. Mobilization is scheduled to begin Sept 3.

Main Transformers Condition Assessment

Status: The "A" phase high voltage bushing replacement is scheduled for September 10-12, 2019. The outage has been coordinated with WAPA and PG&E. Reclamation has provided support for the off-apparatus bushing tests after receiving the bushing. The results showed the bushings were in good condition and are ready for installation in September. Brazing service was solicited again from ABB since they performed the brazing on the previous two bushing installations. Reclamation (CCAO) has declined C&I support for the transformer test, which then solicited requested the services from RESA. Reclamation (NCAO) has approved engineering support for the bushing installation and the harmonic restraint relay test in conjunction with the bushing installation. All equipment and materials are on site and ready for installation.

LOS BANOS FIELD OFFICE (LBFO)

LBFO Parking Lot Seal Coat and Striping (1900480)

Status: Project complete.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (2000158)

Status: No activity this month.



**San Luis & Delta-Mendota Water Authority
OPERATIONS SUMMARY**

NOTE: ALL FIGURES ARE IN ACRE FEET

	July-2019	July-2018
JONES PUMPING PLANT - PUMPED	255,895	237,298
DCI PLANT - PUMPED	15,063	12,837
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	62,282	27,636
O'NEILL P/G PLANT - GENERATED	1,153	1,630
DMC DELIVERIES	55,507	52,928
RIVER/WELL/RECYCLE WATER INTO DMC	1,866	4,480
MENDOTA POOL DELIVERIES	153,193	146,593
SHASTA RESERVOIR STORAGE	4,024,500	3,146,900
SAN LUIS RESERVOIR STORAGE	1,418,766	906,214
* FEDERAL SHARE	581,063	363,625

	July-2019	July-2018
SAN LUIS UNIT DELIVERIES	19,394	20,393
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	13,519	13,017

Jones Pumping Plant monthly average = 4,162 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
July 2019**

To: Adam Hoffman; Erma Leal; Gabe Mora; Katrina Buelna; Liz Kiteck; Mark Rhodes; Marta Rivas; Melody Hernandez; Sheryl Carter; Sonya Nechanicky; Stacey Smith; Tim Blair; Tom Boardman; Joyce Machado; Wes Harrison

From: Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 8/16/19

District/Other	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Total Pumped @ Jones Pumping Plant	255,895			
Total Pumped @ DCI	(15,063)			
Total Reversed @ DCI	0			
City of Tracy		0	1,346	1,346
Byron Bethany I.D.		856	98	954
West Side I.D.		0	0	0
Banta Carbona I.D.		2	0	2
West Stanislaus I.D.		53	0	53
Patterson I.D.		3	0	3
Del Puerto W.D.		12,196	0	12,196
Central California I.D. - above check #13		2,277	0	2,277
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Wildlife)		160	0	160
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		0	0	0
Total Pumped @ O'Neill PP	(62,282)			
Total Generated @ O'Neill PP	1,153			
Central California I.D. - below check #13		27,390	0	27,390
Grasslands W.D. (76.05-L)		613	0	613
Fish & Game Los Banos Refuge (76.05-L)		755	0	755
Fish & Wildlife Kesterson (76.05-L)		0	0	0
Freitas Unit (76.05-L)		0	0	0
Salt Slough Unit (76.05-L)		900	0	900
China Island (76.05-L)		500	0	500
San Luis W.D. - below check #13		1,516	0	1,516
Panoche W.D.		2,797	2	2,799
Eagle Field W.D.		717	0	717
Oro Loma W.D.		57	0	57
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		3,269	0	3,269
River and Groundwater well pump-in	570			
North Valley Regional Recycled Water Program	1,296			
Change in Canal Storage	226			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	181,750			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(55,507)	54,061	1,446	55,507
Theoretical DMC Delivery to Mendota Pool	126,243			
Total Estimated DMC Delivery to MP (determined at Check 20)	112,706			
Estimated (Loss) or Gain in DMC	(13,537)			
Estimated % Loss or Gain in DMC	-5.26%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
July 2019**

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Estimated DMC Inflow to MP	112,706			
Mendota Pool Groundwater Well Pump-In	2,554			
(+)SJRR Releases into Mendota Pool	14,021			
(+) San Joaquin Flood Releases into Mendota Pool	18,665			
(+)Kings River Flood Releases into the Mendota Pool	363			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		74,715	0	74,715
Columbia Canal Company (CCC)		8,208	0	8,208
Firebaugh Canal Water District (FCWD)		7,404	0	7,404
San Luis Canal Company (SLCC)		31,630	0	31,630
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		251	0	251
Calif Dept of F/G-LB Unit (SLCC)		124	0	124
Calif Dept of F/G-Salt Slough Unit (CCID)		300	0	300
Calif Dept of F/G-China Island Unit (CCID)		166	0	166
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		0	0	0
US Fish & Wildlife-Kesterson (CCID)		0	0	0
Grasslands WD (CCID)		156	0	156
Grasslands WD (SLCC)		220	0	220
Grasslands (Private)		48	0	48
San Luis WD Conveyance (CCID)		25	0	25
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		11,139	0	11,139
<i>Other: (see MP Operations Report)</i>		18,807	0	18,807
<i>Total Available Water in Mendota Pool</i>	148,309			
TOTAL DELIVERY FROM MENDOTA POOL	(153,193)	153,193	0	153,193
*Estimated (Loss) or Gain in Mendota Pool	4,884			
*Estimated % Loss or Gain in Mendota Pool	3.29%			
Total System Delivery	(208,700)			
*Total Estimated System (Loss) or Gain	(8,653)			
*Total Estimated % System Loss or Gain	-3.15%			

Special Notes:



Jones Pumping Plant
July - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	4	CONTINUOUSLY	3573
2	4	CONTINUOUSLY	3547
3	4 to 5	0001	4095
4	5 to 4	0001	3563
5	4	CONTINUOUSLY	3393
6	4	CONTINUOUSLY	3687
7	4 to 5	0001	4201
8	5	CONTINUOUSLY	4170
9	5	CONTINUOUSLY	4285
10	5	CONTINUOUSLY	4291
11	5	CONTINUOUSLY	4298
12	5	CONTINUOUSLY	4303
13	5	CONTINUOUSLY	4302
14	5	CONTINUOUSLY	4299
15	5	CONTINUOUSLY	4111
16	5	CONTINUOUSLY	4297
17	5	CONTINUOUSLY	4294
18	5	CONTINUOUSLY	4317
19	5	CONTINUOUSLY	4326
20	5	CONTINUOUSLY	4357
21	5	CONTINUOUSLY	4337
22	5	CONTINUOUSLY	4335
23	5	CONTINUOUSLY	4301
24	5	CONTINUOUSLY	4291
25	5	CONTINUOUSLY	4293
26	5	CONTINUOUSLY	4313
27	5	CONTINUOUSLY	4307
28	5	CONTINUOUSLY	4298
29	5	CONTINUOUSLY	4308
30	5	CONTINUOUSLY	4191
31	5	CONTINUOUSLY	4334
AVG CFS for the month			4162



NON-PROJECT WATER CREDITS REPORT
 (ALL FIGURES IN ACRE FEET)
 July 2019 WA Credits

To: Adam Hoffman; Adam Scheuber; Anthea Hansen; Kelley Geyer; Bobby Pierce; Brandon Kelley; Chris Eacock; David Weisenberger; Erma Leal; Frances Mizuno; Gabe Mora; Ian Uecker; Janet Gutierrez; Jarrett Martin; Jason Dean; Jeff Bryant; Juan Cadena; Katrina Buelna; Lon Martin; Lydia Sosa; Margaret Howe; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Reza Shahcheraghi; Rick Gilmore; Sandra Reyes; Sheryl Carter; Siqing Liu; Stacey Smith; Wes Harrison

From : Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 8/16/19

CREDITS UNDER WARREN ACT CONTRACTS									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
3.32-R1	0	0	1	0	BBID	0	0	0	0
3.32-R2	0	0	1	0	BBID	0	0	0	0
3.32-R3	130	130	1	0	BBID	0	0	0	0
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
14.26-R	5,217	5,217	1	0	BBID	0	0	0	0
15.11-R	1,604	1,604	1	0	BBID	0	0	0	0
20.42-L	18,281,626	18,477,156	1	0	BCID	600	(30)	570	9,499
20.42-L	18,281,626	18,477,156	1	0	USB/FWA	0	0	0	0
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	769	769	1	0	DPWD	0	0	0	0
24.38-L	1,763	1,763	1.04	0	DPWD	0	0	0	0
29.95-R	944	944	0.87	0	DPWD	0	0	0	0
30.43-L	7,422	7,422	1	0	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	1,915	1,915	1.03	0	DPWD	0	0	0	0
31.31-L1	46,781	46,797	1	0	WSTAN	0	0	0	0
31.31-L2	46,781	46,797	1	0	DPWD	0	0	0	0
31.31-L3	46,781	46,797	1	0	PID	0	0	0	0
31.60-L	8,182	8,182	0.93	0	DPWD	0	0	0	0
32.35-L	1,793	1,793	0.86	0	DPWD	0	0	0	0
33.71-L	748	748	0.94	0	DPWD	0	0	0	0
36.80-L	1,843	1,843	1	0	DPWD	0	0	0	0
37.10-L	3,294	3,294	0.94	0	DPWD	0	0	0	0
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	4,495,873	4,495,873	1	0	PID	0	0	0	1,200
42.53-L	4,495,873	4,495,873	1	0	DPWD	0	0	0	0
42.53-L	4,495,873	4,495,873	1	0	USB/FWA	0	0	0	0
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	870	870	0.95	0	SLWD	0	0	0	0
50.46-L	4,108	4,108	1.07	0	DPWD	0	0	0	0
51.00-R	296	296	0.89	0	DPWD	0	0	0	0
51.66-L	337	337	0.98	0	DPWD	0	0	0	0
52.40-L	1,331	1,331	0.94	0	DPWD	0	0	0	0
58.28-L	1,177	1,177	1.02	0	SLWD	0	0	0	0
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	306	306	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								570	10,699



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

July 2019 WA Credits

CREDITS UNDER WARREN ACT CONTRACTS									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	1,805	1,805	0.91	0	SLWD	0	0	0	0
79.13-L	2,286	2,286	1	0	SLWD	0	0	0	0
79.13-R	4,415	4,415	1.08	0	SLWD	0	0	0	0
79.60-L	8,582	8,582	0.84	0	SLWD	0	0	0	0
80.03-L	060	060	0.94	0	SLWD	0	0	0	0
80.03-R	638	638	1.05	0	SLWD	0	0	0	0
98.60-R	10,789	10,790	1	(1)	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	1,000	1,000	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								0	0
WARREN ACT CONTRACT CREDIT TOTAL								570	10,699
TOTAL GROSS PUMP-IN						CREDIT			
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0	0	0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0	0	0	0
TOTAL (DEL PUERTO WATER DISTRICT)						0	0	0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0	0	0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0	0	1,200	0
TOTAL (SAN LUIS WATER DISTRICT)						0	0	0	0
TOTAL (PANOCH/MS WATER DISTRICT)						0	0	0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0	0	0	0
TOTAL (WIDREN WATER DISTRICT)						0	0	0	0
TOTAL (FIREBAUGH WATER DISTRICT)						0	0	0	0
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0	0	0	0
Banta Carbona Irrigation District:						600	570	9,499	0
West Stanislaus Irrigation District:						0	0	0	0
Byron Bethany Irrigation District:						0	0	0	0
Patterson Irrigation District:						0	0	0	0
San Joaquin River Restoration Pump Back BCID:						0	0	0	0
San Joaquin River Restoration Pump Back PID:						0	0	0	0

Notes: 3.32-R, 20.42-L, 31.31-L and 42.53-L are River water



MENDOTA POOL OPERATIONS
2019
 ALL FIGURES IN ACRE-FEET

To: Adam Hoffman; Bill Pipes; Cheryl Lassotovich; Danny Wade; Donna Hanneman; Emily Thomas; Erma Leal; Steve Brueggemann; Gabe Mora; Hallie Rajkovich; Janet Gutierrez; Jason Dean; Jason Smith; Jeff Gallmann; Joy Kelley; Katarina Buelna; Linda Colella; Liz Kiteck; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Rebecca Heilman; Rick Yribarren; Sonya Nechanicky; Stacey Smith; Steven Stadler; Ted Baker; Tom Boardman; Joyce Machado; Wes Harrison; William Halligan

Prepared by: Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date:8/16/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0	0						0
CCID	0	0	0	0	0	0	0						0
FRESNO SLOUGH	69	222	219	224	181	282	278						1,475
TPUD	0	0	24	0	0	15	25						64
JAMES I.D.	0	1,105	0	5,666	5,083	3,045	7,307						22,206
MEYERS	777	1,280	812	1,073	889	897	543						6,271
M.L. DUDLEY & INDART 1	11	26	191	397	391	777	828						2,621
MID VALLEY* (Kings River)	0	0	0	0	369	952	0						1,321
REC. DIST. 1606	0	0	0	62	0	0	0						62
STATE FISH & WILDLIFE	1,498	804	549	400	682	512	1,535						5,980
TRACTION	743	356	494	425	609	581	996						4,204
UNMETERED	55	10	50	50	150	190	200						705
Total	2,296	1,170	1,093	875	1,441	1,283	2,731	0	0	0	0	0	10,889
COELHO FAMILY TRUST 2	33	79	348	699	629	1,128	1,340						4,256
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862	5,660						18,930
WESTLANDS LATERAL-6	0	0	0	192	46	189	0						427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790	0						5,450
CARVALHO TRUST	9	9	36	94	102	144	95						489
TOTAL	3,488	5,776	4,138	11,926	12,962	17,364	18,807	0	0	0	0	0	74,461

NUMBERS SHOWN IN **BOLD** WERE REVISED AFTER DISTRIBUTION OF REPORT

1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS

Article 215 Water

Jan-19	_____
Feb-19	_____
Mar-19	Meyers WD 787 AF
Apr-19	_____
May-19	_____
Jun-19	_____
Jul-19	_____
Aug-19	_____
Sep-19	_____
Oct-19	_____
Nov-19	_____
Dec-19	_____

Kings River Water

Jan-19	_____
Feb-19	_____
Mar-19	TID 1073 AF
Apr-19	TID 1261 AF
May-19	JID 1298 AF, WWD 1319 AF, Meyers 242 AF MVWD 369 AF, TID 2558 AF, CGH 25 AF, TL 38 AF
Jun-19	JID 3045 AF, WWD 979 AF, Meyers 886 AF MVWD 952 AF, TID 3756 AF, CGH 597 AF, TL 799 AF
Jul-19	_____
Aug-19	_____
Sep-19	_____
Oct-19	_____
Nov-19	_____
Dec-19	_____

Duck Clubs (Percent Full)

BECK	120	PATOS	COLE	TRANQUILITY	1 ACRE
0%	0%	0%	0%	0%	0%

Jan, 2019
 DMC Inflow 19,736 AF
 James Bypass Flows 0 AF

Feb, 2019
 DMC Inflow 28,126 AF
 James Bypass Flows 0 AF

Mar, 2019
 DMC Inflow 22,485 AF
 James Bypass Flows 179 AF

Apr, 2019
 DMC Inflow 51,491 AF
 James Bypass Flows 438 AF

May, 2019
 DMC Inflow 48,745 AF
 James Bypass Flows 44,458 AF

June, 2019
 DMC Inflow 24,595 AF
 James Bypass Flows 89,240 AF

July, 2019
 DMC Inflow 112,706 AF
 James Bypass Flows 363 AF

Aug, 2019
 DMC Inflow AF
 James Bypass Flows AF

Sept, 2019
 DMC Inflow AF
 James Bypass Flows AF

Oct, 2019
 DMC Inflow AF
 James Bypass Flows AF

Nov, 2019
 DMC Inflow AF
 James Bypass Flows AF

Dec, 2019
 DMC Inflow AF
 James Bypass Flows AF

**TABLE 19: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT
SAN LUIS FIELD DIVISION MONTHLY DELIVERIES**

JULY 2019

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 13521			Parks & Rec. @ San Luis Reservoir	2
			Santa Clara Valley Water District	10984
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2535
R3 958	13		DFG @ O'Neill Forebay	77
	13		Parks & Rec. @ O'Neill Forebay	1
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		San Luis Water District	880
R4 38875	14		City of Dos Palos	159
	14		Pacheco Water District	2217
	14		San Luis Water District	7430
	14		Panoche Water District	52
	15		San Luis Water District	3313
	15		Panoche Water District	5320
	15		Westlands Water District	20384
R5 86842	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	19
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	23357
	17		Westlands Water District	20612
	18		City of Coalinga	1478
	18		Pleasant Valley Pumping Plant	18426
	18		Westlands Water District	22950
R6 34456	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	6
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	298
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	34152
22994	20		City of Huron @ Lat. 23R	95
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	17416
	21		City of Avenal	249
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	5234
197646	0		<---TOTALS--->	197646
TOTALS BY CUSTOMERS				
			Pacheco Water District	2217
			San Luis Water District	11623
			Panoche Water District	5372
			Westlands Water District	162531
			AltaGas	0
			City of Huron @ LAT. 23R	95
			City of Huron (P&R/Area 11 @ 22R)	6
			Lemoore N.A.S. thru WWD @ 29L & 30L	298
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	249
			City of Dos Palos	159
			City of Coalinga	1478
			DFG @ O'Neill Forebay	77
			Pacheco Tunnel	13519
			DFG @ Lateral 4L & 6L & 7L	19
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	3
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
			Customers Total:	197646
Pool 12 - Reach 2B				
VA Turnout Use AF =	103			
DWR 3137(Rev.9/15)				197749



Monthly Availability Report

O'Neill Pump/Generating Plant

July - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	2	3	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	3	3	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-4	744	744.0	100.00%	0.0	0.00%	0.00%	0	0	1) Unit Pump/Penstock Rehabilitation
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	2	2	
Total	4464	744.0	17%	0.0	0.00%	83.00%	7	8	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice



Monthly Availability Report

CW "Bill" Jones Pumping Plant

July - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	1.0	0.13%	99.87%	10	2) WAPA Disc 621
Unit-2	744	0.0	0.00%	3.8	0.51%	99.49%	3	2) WAPA Disc 621
Unit-3	744	0.0	0.00%	47.5	6.38%	93.62%	3	2) WAPA Disc 621
Unit-4	744	0.0	0.00%	1.0	0.13%	99.87%	9	2) WAPA Disc 621
Unit-5	744	744.0	100.00%	0.0	0.00%	0.00%	0	1) AM, Exciter Armature Repair
Unit-6	744	0.0	0.00%	1.7	0.23%	99.77%	5	2) WAPA Disc 621
Total	4464	744.0	17%	55.0	1.23%	81.77%	30	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice



Monthly Availability Report

DCI Pumping Plant

July - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	8	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	3	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	9	
Total	2976	0.0	0%	0.0	0.00%	100.00%	26	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice